Signature

04-09-01

PTO/SB/05 (11-00) Approved

U.S. Patent and Trademark

use through 10/31/2002. OMB 0651-0032 U.S. DEPARTMENT OF COMMERCE lisplays a valid OMB control number.

persons are required to respond to a collection of information u Attorney Docket No.

03320-P0001B

PATENT APPLICATION **TRANSMITTAL** nonprovisional applications under 37 CFR 1.53(b))

Wayne P. Franco First Inventor Title Method of Use of Fibroblast Growth Factor and EL 550 088 922 US Express Mail Label No.

See MPEP ci	APPLICATION ELEMENTS hapter 600 concerning utility patent applic	ADDRESS TO:  Assistant Commissioner for Patents Box Patent Application Washington, DC 20231  CD-ROM or CD-R in duplicate, large table or									
1. Fe	ee Transmittal Form (e.g., PTO/SB/ ubmit an original, and a dublicate for fee to oplicant claims small entity status	al Form (e.g., PTO/SB/17) nal. and a duplicate for fee processing)			CD-ROM or CD-R in duplicate, large ta Computer Program (Appendix)      Nucleotide and/or Amino Acid Sequence Submis						
	ee 37 CFR 1.27.	or the stand					mino Acid Sequence Submission cessary)				
J. [/	pecification [Total Pages	·   82   <sup>1</sup>	a			Form (CRF	)				
-	referred arrangement set forth below)	<u> </u>	b.: Specification Sequence Listing on:								
- ( - S	Descriptive title of the Invention Cross References to Related Applic Statement Regarding Fed sponsore	ed R & D		и. 🗌 рар	er	D-R (2 cop					
- F	Reference to sequence listing, a tab or a computer program listing apper	ie, dix	c	Statement	verifying i	dentity of al	bove copies				
- E - I	Background of the Invention Brief Summary of the Invention			ACCOMPA							
	Brief Description of the Drawings (if Detailed Description	ilea)	9.	Assignme	nt Papers	(cover shee	et & documen	t(s))			
- ( - /	Claims(s) Abstract of the Disclosure `		10.	37 CFR 3. (when the	.73(b) Stat re is an as	ement signee)	Powe Attorr				
4. Dr	rawings(s) (35 USC 113) [Total St	eets 4 ]	11.	English T	anslation l	Document (	if applicable)				
5. Oath or De	eclaration [ Total P	ages 0 ]	12.	Information Statement			Copie Citati	es of IDS ons			
a.	New executed (original or c	copy)	13.	Prelimina	ry Amendr	nent					
b.	Copy from prior application (for continuation/divisional with Bo	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)									
	i DELETION OF INVENTO	LETION OF INVENTOR(S)				iority Docum	nent(s)				
	Signed statement attached de	igned statement attached deleting inventors(s) amed in the prior application, see 37 CFR			priority is and Certific	cation unde	r 35 U.S.C. 1	22			
1.63(d)(2) and 1.33(b).  16 (b)(2)(B)(i). Applicant must attach form of its equivalent.							ach form PTC	)/SB/35			
Application Data Sheet. See 37 CFR 1.76											
or in an App	18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:										
Continua	Prior application information: Examiner (	Continuation-in-part  Group/Art Unit:									
For CONTINUA	Prior application information: Examiner Group/Art Unit:  For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.										
incorporation <u>c</u>	1	8. CORRESPON	IDENCE AD	DRESS							
			400		<b>~</b>			-1			
☐ Customer Number of Bar Code Label  24126  Correspondence address below the content of the con							elow				
Name	Daniel F. Cough										
Address		St.Onge Steward Johnston									
Address		986 Bedford Street			T		00005.5	610			
City	Stamford	Stamford		CT	Zip Cod		06905-5				
Country	United States	Telephone	203 32	<u>4-6155</u>		Fax	203 32	1-1090			
Name (F	Name (Print/Type) Daniel F. Coughlin				Registration No. (Attorney/Agent)						

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Times will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Office, Patent and Trademark Office, Washington, DC 20231, DO NOT SEND FEES OF COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

or use through 10/31/2002. OMB 0651-0032 Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Complete if Known

## FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision

Application No.							
Filing Date	April 6, 2001						
First Named Inventor	Wayne P. Franco						
Examiner Name							
Group Art Unit							
	POSSES POSSES PEC						

METHOD OF PAYMENT (check one)   FEE CALCULATION (continued)	Patent fees are subject to annual revision						Attorney Docket Number 03320-P0001B DFC							
METHOD PAYMENT (CIVEX Onle)  Light Endicated fees and credit any over payment to.  Deposit Account 19-4516  Large Ently Small Ently Code (s) 130 205 65  Account Name  Deposit St. Onge Steward Johnston & Reens LLC  Account Name  Deposit St. Onge Steward Johnston & Reens LLC  Account Name  Deposit St. Onge Steward Johnston & Reens LLC  Account Name  Deposit St. Onge Steward Johnston & Reens LLC  Account Name  Deposit St. Onge Steward Johnston & Reens LLC  Account Name  Deposit St. Onge Steward Johnston & Reens LLC  Account Name  Deposit St. Onge Steward Johnston & Reens LLC  Account Name  Deposit St. Onge Steward Johnston & Reens LLC  Account Name  Deposit St. Onge Steward Johnston & Reens LLC  Account Name  Deposit St. Onge Steward Johnston & Reens LLC  Account Name  Deposit St. Onge Steward Johnston & Reens LLC  Account Name  Deposit St. Onge Steward Johnston & Reens LLC  Account Name  Deposit St. Onge Steward Johnston & Reens LLC  Account Name  Deposit St. Onge Steward Johnston & Reens LLC  Account Name  Deposit St. Onge Steward Johnston & Reens LLC  Account Name  Deposit St. Onge Steward Johnston & Reens LLC  Account Name  Deposit St. Onge Steward Johnston & Reens LLC  Account Name  Deposit St. Onge Steward Johnston & Reens LLC  Deposit St. Onge Steward Johnston & Reens LLC  Account Name  Deposit St. Onge Steward Johnston & Reens LLC  Deposit St. Onge Steward John	TOTAL AMOUNT OF PAYMENT (\$) 355.00						Attorne	y Dock						
The Commissioner is hereby authorized to charge indicated fees and credit any over payment to.  Deposit 19-4516    19-4516														
19-4516   105   130   205   65   Surcharge – late filing for or oath   Namber   Deposit   St. Orige Steward Johnston & Reens LLC   127   50   227   25   Surcharge – late provisional fling or over sheet   Namber   Charge Any Additional Fee Required   139   130   139   130   Non-English specification   Power sheet   Non-En	. The indi	Commissioner is hereby authorized to charge cated fees and credit any over payment to:		Large Fee	Entity Fee	Small Fee	Entity Fee	Fee Description		_	Fee Paid			
Deposit   Account Name	Account		19-4516									1		
Table   Payment Enclosed	Deposit St. Ongo Stoward Johnston & Reens LLC					127	50	227	25					
147   2,520   147   2,520	Name						130	139	130	Non-English spe	cification			
Payment Enclosed:	Under CFR 1 16 and 1 17 Applicant claims small entity status.					147	2,520	147	2,520					
Dayment Enclosed:   Credit Card   Money   Other   113 1,840*   113 1,840*   Requesting publication of SIR after Examiner Action   Examiner Action   SIR after Examiner Action   Six after	000 01					112	920*	112	920*	Examiner action				
SASIC FILING FEE   116   390   216   155   55   56   56   56   56   56	Check Credit Card Money Other					113	1,840*	113	1,840	Requesting publication of SIR after Examiner Action				
SASIC FILING FEE   116   390   216   195   218		FF	F CAL			115	110	215	55					
Total Claims	BASIC F					116	390							
Substitute   Sub			Entity			117	890							
101   710   201   355   350   355   350	ee Fee	Fee		Fee Description	Fee Paid	118								
106   320   206   160				Utility filing fee	355.00	128						ionu i		
108   710   208   355   Reissue filing fee   121   270   221   135   Request for oral hearing   138   1,510   138   1,510   138   1,510   Petition to institute a public use proceeding   138   1,510   138   1,510   Petition to revive — unavoidable   141   1,240   241   620   Petition to revive — unavoidable   141   1,240   241   620   Petition to revive — unintentional   142   1,240   242   620   Utility issue fee (or reissue)   143   440   243   220   Design issue fee   144   600   244   300   Plant issue fee   240	106 320	206	160	Design filing fee		-1						nneal		
114 150 214 75 Provisional filing fee SUBTOTAL (1) (\$\sigma\$) 355.000  1. EXTRA CLAIMS FEES  Claims	107 490	207	245	Plant filing fee		120						pear		
SUBTOTAL (1) (\$) 355.00  140 110 240 55 Petition to revive – unavoidable  Petition to revive – unavoidable  Petition to revive – unavoidable  Petition to revive – unintentional  141 1.240 241 620 Petition to revive – unintentional  142 1.240 242 620 Utility issue fee (or reissue)  143 440 243 220 Design issue fee  144 600 244 300 Plant issue fee  145 120 120 130 122 130 Petitions to the Commissioner  146 120 120 120 120 Petitions to the Commissioner  147 120 120 120 120 120 Petitions to the Commissioner  148 120 120 120 120 120 120 120 Petitions to the Commissioner  149 120 120 120 120 Submission of Informational Disclosure Strnt  140 150 240 126 240 Submission of Informational Disclosure Strnt  140 120 120 120 120 120 Submission of Informational Disclosure Strnt  140 120 120 120 120 120 120 120 120 120 12	108 710	208	355	=		121						nroceeding		
SUBTOTAL (1) (s) 333.00  141 1,240 241 620 Petition to revive – unintentional  142 1,240 242 620 Utility issue fee (or reissue)  143 440 243 220 Design issue fee  144 600 244 300 Plant issue fee  145 1,240 242 620 Utility issue fee (or reissue)  146 600 244 300 Plant issue fee  147 1,240 241 620 Petition to revive – unintentional  148 203 Plant issue fee  149 120 2130 122 130 Petitions to the Commissioner  140 581 40 581 40 Submission of Informational Disclosure Strate  140 781 246 355 Filing a submission after final rejection  140 80 202 40 Independent claims in excess of 3 Independent claims in excess of 20 and over original patent  140 18 210 9 Reissue claims in excess of 20 and over original patent  141 1,240 241 620 Petition to revive – unintentional  142 1,240 242 620 Utility issue fee (or reissue)  143 140 243 320 Design issue fee  144 600 244 300 Plant issue fee  122 130 122 130 Petitions to the Commissioner  123 50 123 50 Processing fee under 37 CFR 1.17(q)  126 240 126 240 Submission of Informational Disclosure Strate  126 240 126 240 Submission after final rejection  137 (FFR 1,129(a))  146 710 246 355 Filing a submission after final rejection  147 710 249 355 For each additional invention to be examined (37 CFR 1.129(b))  148 210 9 Request for Continued Examination of a design application  149 710 279 355 Request for Continued Examination of a design application  149 710 279 355 Request for Continued Examination of a design application  159 900 169 900 Request for Expected Examination of a design application  159 900 169 900 Request for Expected Examination  150 900 169 9	114 150	214	75	Provisional filing fee		138								
Extra Claims Below Fee Paid Claims Below   Fee Paid Claims Below   Fee Paid Plant issue fee   Plant is	255.00			140										
Fee Form Claims Below Fee Paid 142 1,240 242 620 Utility issue fee (or reissue)    142 1,240 242 620 Utility issue fee (or reissue)   143 440 243 220 Design issue fee   144 600 244 300 Plant issue fee   144 600 240 240 240 240 240 240 240 240 240 2	2. EXTRA CLAIMS FEES				141	1,240	) 241				-			
Total Claims			Ex		Fee Paid	142	1,24	242	620	Utility issue fee	(or reissue)			
Multiple Dependent   -3** =   -					0.00	143	44	0 243	220	Design issue fe	ee			
Multiple Dependent Larg Entity Small e Fee Fee Fee (\$) Code (\$)  103 18 203 9 Claims in excess of 20 104 270 204 135 Multiple dependent claims in excess of 31 109 80 209 40 **Reissue independent claims over original patent over original patent over original patent  100 18 210 9 **Reissue claims in excess of 20 and over original patent  *** or number previously paid, if greater, For Reissues, see above  SUBMITTED BY  St. Onge Steward Johnston & Reens LLC  122 130 122 130 Petitions to the Commissioner  123 50 123 50 Processing fee under 37 CFR 1.17(q)  Submission of Informational Disclosure Stmt e Property (times number of properties)  126 240 126 240 Submission of Informational Disclosure Stmt e Property (times number of properties)  128 140 581 40 581 40 Recording each patent assignment per Property (times number of properties)  146 710 246 355 Filing a submission after final rejection (37(CFR § 1.129(a)))  149 710 249 355 For each additional invention to be examined (37 CFR 1.129(b))  179 710 279 355 Request for Continued Examination (RCE)  189 900 169 900 Request for expedited examination of a design application  189 900 169 900 Request for expedited examination of a design application  189 900 169 900 Request for expedited examination of a design application  199 900 Request for expedited examination of a design application  199 900 Request for expedited examination of a design application  199 900 Request for expedited examination of a design application  199 900 Request for expedited examination of a design application  199 900 Request for expedited examination of a design application  199 900 Request for expedited examination of a design application  199 900 Request for expedited examination of a design application  199 900 Request for expedited examination of a design application		Claims 2011 A A A A A A A A A A A A A A A A A A				144	60	0 244	300	Plant issue fee				
Multiple Dependent Larg Entity Small Entity e Fee Fee Fee Fee Fee (\$) Code  103 18 203 9 Claims in excess of 20 102 80 202 40 Independent claims in excess of 3 104 270 204 135 Multiple dependent claims over original patent 109 80 209 40 **Reissue claims in excess of 20 and over original patent  110 18 210 9 **Reissue claims in excess of 20 and over original patent  **or number previously paid, if greater; For Reissues, see above  SUBTOTAL (2) (\$) 0.00  SUBMITTED BY  St.Onge Steward Johnston & Reens LLC  123 50 123 50 Processing fee under 37 CFR 1.17(t) 126 240 126 240 Submission of Informational Disclosure Stmt 128 240 581 40 581 40 Recording each patent assignment per Property (times number of properties) 146 710 246 355 Filing a submission after final rejection (37(CFR § 1.129(a)) 149 710 249 355 For each additional invention to be examined (37 CFR 1.129(b)) 179 710 279 355 Request for Continued Examination (RCE)  Request for expedited examination of a design application  Other fee (specify)  **Reduced by Basic Filing Fee paid  SUBMITTED BY  St.Onge Steward Johnston & Reens LLC  Complete (if applicable)		ims			100	13	0 122	130						
Fee (\$) Code (\$)  126 240 126 240 Submission of informational Discussive State		endent _ L ^L			_	5	0 123	50	Processing fee	under 37 CFR	1.17(q)			
103 18 203 9 Claims in excess of 20 102 80 202 40 Independent claims in excess of 3 104 270 204 135 Multiple dependent claims, if not paid 109 80 209 40 **Reissue independent claims over original patent 110 18 210 9 **Reissue claims in excess of 20 and over original patent  ** or number previously paid, if greater, For Reissues, see above  SUBTOTAL (2) (\$) 0.00  SUBMITTED BY  St. Onge Steward Johnston & Reens LLC  Self- 40 301 **O Property (times number of properties) Filling a submission after final rejection (37(CFR § 1.129(a))) For each additional invention to be examined (37 CFR 1.129(b))  149 710 249 355 For each additional invention to be examined (37 CFR 1.129(b)) For each additional invention to be examined (37 CFR 1.129(b))  179 710 279 355 Request for Continued Examination of a design application  Other fee (specify)  ** Reduced by Basic Filing Fee paid  SUBTOTAL (3) (\$) 0.00  SUBMITTED BY  St. Onge Steward Johnston & Reens LLC  Complete (if applicable)	e Fee	Fee	Fee	Fee Desc	ription	126	24	0 126	3 240					
103 18 203 9 Claims in excess of 20 104 270 204 135 Multiple dependent claims in excess of 3 109 80 209 40 Reissue independent claims over original patent 100 18 210 9 Reissue claims in excess of 20 100 and over original patent 100 18 210 9 Reissue claims in excess of 20 100 and over original patent 100 18 210 9 Reissue claims in excess of 20 100 and over original patent 100 18 210 9 Request for continued Examination (RCE) 110 18 210 9 Request for expedited examination of a design application 110 18 210 9 Request for expedited examination of a design application 110 18 210 9 Request for expedited examination of a design application 110 18 210 SUBTOTAL (2) (\$) 0.00 Reduced by Basic Filing Fee paid SUBTOTAL (3) (\$) 0.00  SUBMITTED BY St.Onge Steward Johnston & Reens LLC		Code	(\$)			581	4	.0 581	1 40	Droperty (times	s number of pro	perties)		
104 270 204 135 Multiple dependent claims, if not paid 109 80 209 40 ** Reissue independent claims over original patent 110 18 210 9 ** Reissue claims in excess of 20 and over original patent ** or number previously paid, if greater; For Reissues, see above  SUBTOTAL (2) (\$) 0.00 ** Reduced by Basic Filing Fee paid ** SUBTOTAL (3) (\$) 0.00  SUBMITTED BY St.Onge Steward Johnston & Reens LLC  Registration No. 26 111	103 18			Claims in excess of 2	20 n excess of 3	146	5 71	0 246	355	Filing a submis (37(CFR § 1.1	ssion after final ( 29(a))	rejection		
109 80 209 40 *** Reissue independent claims over original patent  110 18 210 9 *** Reissue claims in excess of 20 and over original patent  *** or number previously paid, if greater, For Reissues, see above  SUBTOTAL (2) (\$) 0.00 ** Reduced by Basic Filing Fee paid **  SUBMITTED BY St.Onge Steward Johnston & Reens LLC  SUBMITTED BY St.Onge Steward Johnston & Reens LLC  179 710 279 355 Request for Continued Examination (RCE)  Request for expedited examination of a design application  Other fee (specify)  ** Reduced by Basic Filing Fee paid **  SUBTOTAL (3) (\$) 0.00  SUBMITTED BY St.Onge Steward Johnston & Reens LLC  Requirement 179 710 279 355 Request for Continued Examination (RCE)  Request for expedited examination of a design application  Other fee (specify)  ** Reduced by Basic Filing Fee paid **  SUBTOTAL (3) (\$) 0.00  SUBMITTED BY St.Onge Steward Johnston & Reens LLC  Requirement 179 710 279 355 Request for Continued Examination (RCE)  Request for expedited examination of a design application  Other fee (specify)  ** Reduced by Basic Filing Fee paid **  **  **  **  **  **  **  **  **  **		_		Multiple dependent of	laims, if not paid	149	71	0 249	9 355	examined (37	CFR 1.129(b))			
110 18 210 9 **Reissue claims in excess of 20 and over original patent  **or number previously paid, if greater; For Reissues, see above  SUBTOTAL (2) (\$) 0.00 * Reduced by Basic Filing Fee paid SUBTOTAL (3) (\$) 0.00  SUBMITTED BY St.Onge Steward Johnston & Reens LLC  Registration No. 26, 111			40			179	9 710	27	9 355	•				
** or number previously paid, if greater, For Reissues, see above  SUBTOTAL (2) (\$) 0.00 * Reduced by Basic Filing Fee paid SUBTOTAL (3) (\$) 0.00  SUBMITTED BY St.Onge Steward Johnston & Reens LLC  SUBMITTED BY St.Onge Steward Johnston & Reens LLC  Registration No. 26, 111	110 18	8 210	9	** Reissue claims in	excess of 20	169	9 900	) 16	9 900	Request for ex of a design ap	pedited examin	ation		
SUBTOTAL (2) (\$) 0.00 * Reduced by Basic Filing Fee paid SUBTOTAL (3) (\$) 0.00  SUBMITTED BY St.Onge Steward Johnston & Reens LLC Complete (if applicable)  Submitted BY St.Onge Steward Johnston & Reens LLC Complete (if applicable)  Submitted BY St.Onge Steward Johnston & Reens LLC Complete (if applicable)														
SUBMITTED BY St. Onge Steward Johnston & Reen's LLC	SUBTOTAL (2) (\$) 0.00 * Reduced by Basic Filing Fee paid SUBTOTAL (3) (\$) 0.00													
Pegistration No. 13C 111 Telephone 203 324-6	CURRETTED BY St Once Steward Johnston & Reens LLC Complete (if applicable)													
Name (Print Type)   Daniel F. Coughlin   (Attantividaent)   200 321 0	Name (Print Type) Daniel F. Coughlin Registration No. (Attprox/Agent) 76. Telephone (Attprox/Agent)						203 32	4-6155						
Name (Fillit Type) Date 4/6/200	Ivaille (FII		+;;;	1		_	7,7,14	1	(	1	Date	4/6/	2001	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the and authorization on PTO-2038Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

The state of the s

986 Bedford Street
Stamford Connecticut 06905-5619
(203) 324 6155
(203) 327 1096

www.ssjr.com

April 6, 2001

Assistant Commissioner for Patents Washington, D.C. 20231

Re:

SSJR File 03320-P0001B

Methods of Use of Fibroblast Growth Factor, Vascular Endothelial Growth Factor and Related Proteins In The Treatment of Acute and Chronic Heart Disease

Dear Sir/Madam:

Please find enclosed one Utility Patent Application, entitled "Methods of Use of Fibroblast Growth Factor, Vascular Endothelial Growth Factor and Related Proteins In The Treatment of Acute and Chronic Heart Disease" and an Application Transmittal form for same. Please note, the enclosed Application is being submitted without formal papers, a check, etc., but will forward along to you upon receipt of Notice to Missing Parts.

Thank you kindly.

Very truly yours,

Daniel F. Coughlin dfc@ssjr.com

DFC:ljg Enclosure

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	Wayne P. Franco				
Serial No.	Filing Date: April 6, 2001				
Title of Application:	Method of Use of Fibroblast Growth Factor, Vascular Endothelial Growth Factor and Related Proteins In The Treatment of Acute and Chronic Heart Disease				

Assistant Commissioner for Patents Washington, DC 20231

## Small Entity Assertion

Dear Sir:

1. **Small Entity Statement**. Applicant claims Small Entity Status - Individuals. See 37 CFR 1.27.

Respectfully submitted,

April 6, 2001

Daniel F. Coughlin, Registration No. 36,111

Attorney for Applicant

ST.ONGE STEWARD JOHNSTON & REENS LLC 986 Bedford Street; Stamford, CT 06905-5619

203 324-6155

Mailing Certificate: I hereby certify that this correspondence is today being deposited with the U.S. Postal Service as *Express Mail No. EL 550 088 922 US* in an envelope addressed to: Assistant Commissioner for Patents and Trademarks; Washington, DC 20231.

April 6, 2001

Daniel F. Coughlin